

List of Guided Missiles of the World. UNCLASSIFIED

JAPANESE, per, Kagaku Gaho, 10 Nov 1957,
pp 106-121.

USARISC-ID Svc Br
Tr 97128

Sci - Office Res
Jun 58

64,799

Soviet Science of Tomorrow, 7 pp. UNCLASSIFIED

JAPANESE, per, Kagaku Gaho, No 7, 1958.

AF 1205508

Sci - Misc
Dec 58

69,867

Chemical Industry Development Plan, 5 pp.
UNCLASSIFIED

JAPANESE, per, Kagaku Gaho, No 7, Jul 1958,
Ref to IR-937-58, 600th AISS.

AF 1201093

FE - Japan
Econ
Oct 58

75, 081

Reprints and Satellites, by Fujio Kamekita,
19 pp. UNCLASSIFIED

JAPANESE, par, Kagaku Gaku, Vol VI, No 10,
5 Jul 1958.

AF 1201817

Sci - Space Res
Jan 58

77,901

Divinylacetylene, by F. Masuo.
JAPANESE, per, Kagaku Hyoron, Vol 5,
No 12, 1939, pp 626-630.
NTC 69-10918-07C

Sci-Chem
May 69

382,524

ON THE CHEMICAL COMPONENTS OF CYCAS REVOLUTA
THUNB. (PART I), BY KIYOHISA YOSHIMURA, NAGATERU
SAGARA, 5 PP.

JAPANESE, PER, ~~TONES~~ KAGAKU KAISHI, VOL XXXIX, NO 12,
1918, PP 1116-1121.

NIH 6-72%62

SCI - CHEM

208,808

AUG 6 2

ON THE ESTIMATION OF AGE OF WRITING BY MEASURING
THE COLOR OF BLUE-BLACK INK (II), BY SHUICHI
IKARI, YASUO INAMURA, 18 PP

JAPANESE, PER, KAGAKU KEISATSU KENKYUSHO HOKOKU,
VOL XVI, NO 1, MAR 1963, PP 74-82

JPRS 22457

SCI-MISC
JAN 64

245,037

ESTIMATION OF THE AGE OF WRITING IN BLUE-BLACK
INK (III), BY YUKIE KIKUCHI, 3 PP

JAPANESE, PER, KAGAKU KEISATSU KENKYUSHO ~~KB~~ ~~X~~
~~HOKOKU~~. VOL XVI, NO 1, MAR-1963, PP 83-86.

JPRS 22457

SCI-MISC

JAN 64

245,088

ON THE CONSTANCY OF FORM AS REVEALED IN THE
HANDWRITING ANALYSIS, BY TAKEO MATSUKAWA, 22 PP.

JAPANESE, PER, KAGAKU KEISATSU KENKYUSHO HOKOKU,
VOL XVI, NO 1, MAR 1963, PP 87-96

JPRS 22457

SCI-MISC
JAN 64

245,089

Basic Studies on the Utilization of Infrared to Detect
Counterfeit Notes, by Yoshihide Nakamura, 10 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokokusho,
Vol VI, No 4, Dec 1963, pp 305-309.
JPRS 23790

Sci-Misc
Mar 64

252,603

Inspection of Bank Notes With Infrared ITV, by
Masakazu Yoshida, 7 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokoku,
Vol VI, No 4, Dec 1963, pp 310-312.
JPRS 23790

Sci-Misc
Mar 64

252,604

Studies on Resealing of Cash Money Envelopes, by
Nobuo Seto, 10 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokoku,
Vol VI, No 4, Dec 1963, pp 319-323.
JPRS 23790

Sci-Misc
Mar 64

252,605

Arrangement and Form of Kana Sokuon Syllabary Sound
Groups in Vertical Writing, by Toshikatsu Suga, 11 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokoku,
Vol VI, No 4, 19 Dec 1963, pp 324-329.
JPRS 237910

Sci-Misc
Mar 64

252,606

The Use of Gelatin Paper to Determine the Order in
Which Superimposed Stamp and Writing Were Placed,
by Takeo Matsukawa, 14 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokokku,
Vol VI, No 4, Dec 1963, pp 330-339.
JPRS 23790

Sci-Misc
Mar 64

252,607

Psychological Aspects of Handwriting Examination, by
Gengo Shiotani, 19 pp.
JAPANESE, per, Kagaku Keisatsu Kenkyusho Hokoku,
Vol VI, No 4, Dec 1963, pp 340-347.
JPRS 23790

Sci-Misc
Mar 64

252,608

Ether Extraction of Iodides of Hydriodic Acid
Solutions of Various Elements, by S. Kitahara, 5 pp.

JAPANESE, per, Kagaku Kenkyusho Hokoku, Vol XXIV,
1942, pp 454-457.

AEC UCRL-Trans-559(L)

Sci - Chem
10 Nov 60
List 45

131, 401

Ether Extraction of Fluorides or Hydrofluoric
Acid Solutions of Various Elements, by S.
Kitahara,

Japanese
~~English~~, per, Kagaku Kenkyusho Hokoku, Vol XXV,
1948, pp 165-167.

*AEC

Sci - Chem
12 Oct 60

List 44

On Ether-Extraction of Fluorides or Hydrofluoric
Acid Solutions of Various Elements, by Saburo
Kitabara, 6 pp.

JAPANESE, per, Kagaku Kenkyusho Hokoku, Vol XIV,
No 4, 5, 1950, pp 165-167.

ANC UCEL-Trans-603(L)

Sci - Chem
May 61

150,883

On Aromatic Antimony Trichloride Complex. Report I.,
by Hajime Tomono, 15 pp.

JAPANESE, per, Kagaku Kenkyujo Hokoku (Reports of
the Institute for Chemical Research), No 21, Jun
1950, pp 41-46. CIA D 151142

INDEX

Scientific - Chemistry

22,196

CPS 66/Mar 1955

On Aromatic Antimony Trichloride Complex. Report II.,
by Hajime Tomono, 10 pp.

JAPANESE, par, Kagaku Kenkyujo Hoshaku (Reports of
the Institute for Chemical Research), No 22,
Sep 1950, pp 49-52. CIA D 151143

III

Scientific - Chemistry

CTB 66/Mar 1955

22, 197

on Aromatic Antimony Trichloride Complex Report No. 4.,
by H. Tomono, 17 pp.

JAPANESE, per, Kagaku Kenkyujo Hokoku (Reports of the
Institute for Chemical Research), Vol XXIV, ~~REDACTED~~,
March 1951, pp 54-61.

NIH Tr No 13

31,118

Scientific - Chemistry

Heat Treatment of Silicon Steel Sheets, by T.
Takei.

JAPANESE, per, Kagaku Kenkyusho Hokoku, Vol XXXI, 1955,
pp 363-371.

ASLIB-GB95

Sci

Jul 59

92,749

Flow Through the Two-Stage Hydraulic Cyclone, by
Naoya Yoshioka, Yutaka Hotta, Tatsuo Takahashi,
Kensaku Endo, 21 pp.

JAPANESE, per, Kagaku Kikai, Vol XXI, 1957, pp 8-
16.

AEC Tr 3240

Sci - Physics
Jun 58

65,957

Hold-up and Flooding Velocity in Spray Columns, by
S. Fujita, K. Todokoro, T. Tanizawa,

Kagaku Kagaku
JAPANESE, per, Chem Eng Japan, Vol XV, 1951, pp
~~164-172~~ 164-172.

SLA 57-3540

Sci

Jul 59

92,403

The Flow of Gas in the Cyclone EX by Yoshiyuki Kitaura

Kagaku Kagaku

EX JAPANESE, Chem, Engng, 15 (5), 206-211.

TRA3/TIB T: No T 3970

Scientific - HK Chemistry, Engineering

The Fluidisation of Powdered Beds, by S. Yagi,
K. Takagi, 13 pp.

JAPANESE, per, Kagaku Kagaku, Vol. XV, 1951,
pp 212-217.

AEC NP Tr 426

Sci - Nuc Phys
Jun 60

121,930

Liquid Holdup in Packed Towers: Operating
Holdup without Gas Flow, by T. Itake,
K. Okada, 20 pp.
JAPANESE, per, Kagaku Kagaku, Vol 17,
No 5, 1953, pp 176-184.
SIA TT-64-20840

338,772

Sci
Aug 67

Liquid Holdup in Packed Towers: The
Generalized Correlation of Loading Velocities,
by T. Otake, M. Kimura, 19 pp.
JAPANESE, per, Kagaku Kogaku, Vol 17,
No 7, 1973, pp 261-268.
SLA TT-64-20041

338,771

Sci
Aug 67

Residence Time Curves for Continuous Reactors, by S.
Yagi, T. Miyauchi, 9 pp.

JAPANESE, per, Kagaku Kagaku, Vol XVIII, No 10, 1953,
pp 382-386.

Asso Tech Serv
071291

MS JJ-1913

Sci- Phys
OTS I, 9
Jun 59

89,537

The Fluidisation of Solid Particles, by K.
Hirai, K. Fukaya, A. Shimada, K. Mishima, 28 pp.

JAPANESE, per, Kagaku Kogaku, Vol XVII, 1953,
pp 438-447. 9079910

NLL 11-7-53
AEC NP Tr-633

164, 898

Sci
Aug 61

Chlorination of the Components of
Aluminates, by Takahiko Takahashi, 11 pp.
JAPANESE, per, Kogyo Kagaku Zasshi,
Vol 57, No 5, 1954, pp 339-341.
SA Code-039

338,790

Sci
Aug 67

The Dependence of the Percentage of Voids on
the Method of Mixing the Particles, by E. Hirai,
S. Ueda.

JAPANESE, per, Kagaku Kogaku, Vol. XVIII, 1954,
pp 369-372.

ATS E JJ-1956

Sci - Chem

Jan 60

105,755

Studies on the Effective Heat Transfer
Through a Packed Bed, by Sakai Yagi,
Daizo Kumii. GOVERNMENT USE ONLY
JAPANESE, per, Kagaku Kogyo, Vol XVIII,
No 12, 1954, pp 576-585. P200072267
RSIC-620

Sci-Phys
Mar 67

320,492

Oyama, Yoshitoshi and Sumikawa, Shozo.
A FUNDAMENTAL STUDY OF CENTRIFUGAL
FILTRATION. [1964] 21p (figs omitted)
Order from SLA \$2.60

TT-64-14701

Trans. of Kagaku Kogaku (Japan) 1954, v. 18, no. 12,
p. 593-600.

(Engineering--Chemical, TT, v. 11, no. 12)

TT-64-14701

I. Oyama, Y.
II. Sumikawa, S.

Office of Technical Services

62-34448

Yoshino, Tosjio and Sugihara, Mizuho.
INFLUENCE OF THE IONIC SIZE UPON THE ELU-
TION CURVE. Pt. 3 of Separation of Various Alkaloids
by Ion Exchange. [1962] 15p.
Order from K-H \$18.75

K-H 5613-d

Trans. of [Kagaku to Kogyo, *Osaka] (Japan) 1954, v. 28,
p. 267-271.

DESCRIPTORS: *Alkaloids, Separation, *Ion exchange.

- I. Yoshino, T.
- II. Sugihara, M.
- III. Title: Separation ...
- IV. K-H-5613-d
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Chemistry--Analytical, TT, v. 9, no. 1)

Office of Technical Services

Investigation into Multiple Fluidized Beds.
The Fluidization of Particles Inside the
Downspout, by S. Yagi, I. Muchi.

Kagaku Kagaku
JAPANESE, per, Chem. Eng. Vol XIX, No 4, 1955,
Tokyo, pp 158-162.

TPA3/TID T-4601

Sci - Chemistry

32,326

Liquid Cyclone as a Hydraulic Classifier, by
Masaya Yoshioka, Yutaka Hotta, 20 pp.
Kagaku Kagaku
JAPANESE, per, Chem Eng Japan, Vol XIX, 1955,
pp 632-640.

AEC Tr 2476

Sci - Chemistry, Engineering

Jun 1956

36,343

Siemes, W. and Kauffmann, J. F.
THE PERIODIC DEVELOPMENT OF GAS BUBBLES ON
NOZZLES. [1962] 30p. 3 refs.
Order from SLA \$2.60

62-16649

Trans. of Chemical Engineering Science (Gt. Brit.)
1956, v. 5, p. 127-139.

DESCRIPTORS: *Hydrodynamics, *Nozzles, Fluid flow,
*Bubbles, Periodic variations, Gases, Velocity,
Density, Surface tension, Viscosity, Equations,
Stroboscopes.

The volumes of gas bubbles, developed at small gas
velocities on vertical, circular nozzles in liquids, were
measured by using a stroboscope. Along with changing
the gas velocity, the effects of variation of density,
surface tension and viscosity of the liquid as well as the
inner diameter and wall thickness of the nozzles were
investigated. The formation of the gas bubbles in liquids
(Mechanics--Hydrodynamics, TT, v. 9, no. 5) (over)

62-16649

I. Siemes, W.
II. Kauffmann, J. F.

Office of Technical Services

Effect of Diffusion Through Porous Catalysts on
the Effective Reaction Rate, by H. Kubota, M.
Shindo, 6 pp.

JAPANESE, per, Chem Eng Japan (Kagaku Kogaku), Vol
XX, pp 11-13, 1956.

Assoc Tech Serv 65H11J

Sci - Chem
Aug 58

70,606

Mixing of Powders by the V-Type Mixer,
by T. Yano, I. Kaniso, et al.
JAPANESE, par, Kagaku Kagaku, Vol XI, No 4,
1956, pp 156-162.

AKSE, Barvell
Tr-1671

Sci - Chem
Sep 62

211,517

Uemura, K., and Ida, F.
COPOLYMERIZATION OF VINYL PHENYL ETHER
WITH ACRYLONITRILE. [1960] 6p.
Order from ATS \$9.15

ATS-00N48J

Trans. of Kagaku to Kogyo, Osaka (Japan) 1956, v. 30,
no. 3, p. 73-76.

151538

(Chemistry--Organic, TT, v. 5, no. 8)

61-12755

1. Vinyl cyanide--
Polymerization
2. Vinyl compounds--
Polymerization
3. Copolymerization
I. Uemura, K.
II. Ida, F.
III. ATS-00N48J
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Studies on the Mixing of Particulate Solids,
by Y. Oyama, K. Ayaki.

JAPANESE, per, Kagaku Kogaku, Vol XX, No 4,
1956, pp 148-155.

T AERE, Harwell

Tr-1670

Sci - Chem
Sep 62

Mixing of Powders by the V-Type Mixer,
by T. Yano, I. Kanise, et al, 19 pp.

JAPANESE, per, Kagaku Kogaku, Vol XX, No 4,
1956, pp 156-162.

AERE, Harwell

Tr-1671

AEC-NP-1018 (9210746)

Sci - Chem
Sep 62

(Please put the wife
on dittoed card)

Method of Measuring Power Consumption of Stirrers,
by S. Nagata, T. Yokoyama, 11 pp.

Kagaku Kogaku
JAPANESE, per, Chem Eng (Japan), Vol XX, 1956,
pp 272-279.

Assoc Tech Sv 52M12J

Sci
Aug 58

70,763

Applications of Radioisotopes to the Measurement of Flow Patterns of Liquids in a Mixing Tank, by S. Aiba, 13 pp.

Kagaku Kogaku
JAPANESE, per, Chem Eng Japan, Vol XX, No 6,
1956, pp 280-287.

Sci

Jul 58

68-51512
Assoc Tech Serv
68,321

Cyanic Acid Synthesis in a Fluidized Bed Reactor,
by M. Nakagawa.
JAPANESE, per, Kagaku Kogyo, No 9, 1956, ~~pp 29-33~~
pp 29-33.
NASA TT F-8496

Sci - Chem
Mar 64
U.S. GOVERNMENT ONLY

251,944

Studies of Turbulent Flow in Agitating Tank, by
K. Yamamoto, Z. Kawahigasi, 13 pp.

JAPANESE, per, Kagaku Kagaku, Vol XX, No 12, 1956,
pp 685-694.

Asso Tech Serv
28K28J

Sci- Phys
OTS I, 9
Jun 59

89,538

Heat Transfer Coefficients of Diatomite
Slurries, by Eiji Hirai.
JAPANESE, per, Kagaku Kogaku, Vol 21, 1957,
pp 25-31. 9232389
AEC UCRL-Tr-1313

Sci/MMM
May 66

300,433

Classification Efficiency of a Two-Stage Hydraulic
Cyclone, by Naoya Yoshioka, Yutaka Hotta, Tsutomu
Mizutani, 13 pp.

Kagaku Kogaku
JAPANESE, per, Chem Eng Soc Japan, Vol XXI, 1957,
pp 32-36.

AEC Tr 3216

Sci - Eng

May 58

64, 826

A Study of Mixing of Highly Viscous Liquids, by S.
Kagata, M. Yangimoto, T. Yokoyama, 14 pp.

JAPANESE, per, Kagaku Kogaku, Vol XII, No 5, 1957,
pp 278-286.

Asso Tech Serv
32K28J

Sci - Phys
OTS I, 9
Jun 59

89,536

Mixing of Powders in Several Types of Mixer,
by T. Kano, 17-AP

JAPANESE, par, Kagaku Kogaku, Vol XXI,
No 7, 1957, pp 420-425.

AEHS, Harwell

Tr-1672

AEC-NP-1019(9210746)

211,520

Sci - Chem
Sep 62

NK M 10021

Tanaka, T. and Yada, S.
KINETICS OF THE CATALYTIC HYDROGENATION
OF 2-ETHYLHEXENE-2-AL-1 IN THE VAPOR PHASE.
[1962] [9]p. 2 refs.
Order from SLA \$1.10

62-18927

Trans. of Kagaku [Kogaku] (Japan) 1957, v. 21,
p. 721-726.

DESCRIPTORS: *Plasticizers, Ethyl radicals, Cyclo-
hexenes, *Aldehydes, Vapors, Hydrogenation, Cataly-
sis, Reaction kinetics, Graphic analysis, Tables.

Reaction rate equations for isobaric gaseous hydrogenation of 2-ethyl-hexene-2-al-1 were obtained. An equation was deduced for obtaining the optimum reaction temperature for each rate of conversion. By effective application, the most economical industrial apparatus can be designed. The results of a sample experiment are shown.
(Chemistry--Physical, TT, v. 10, no. 1)

62-18927

I. Tanaka, T.
II. Yada, S.

Office of Technical Services

The Influence of the Number of Impacts in
Pulverization, by Y. Nakagawa, K. Matsui, 15 pp.

JAPANESE, per, Kagaku Kagaku, Vol XXI, 1957,
pp 810-815.

AEC NP Tr-541

Sci - Nuc Phys
May 61

150,373

On the Characteristics of a Centrifuge, by
Y. Mori, R. Aoki, A. Saito, T. Tsushima, M. Kobue,
19 pp.

Kagaku Kagaku
JAPANESE, per, Chemical Engineering, Vol XXII, 1958,
pp 7-15.

AEC 3342

Sci - Engr

Oct 58

74,603

(8113-N)

Carbons and Organic Semi-Conductors, by
Hideo Akamatsu, 19 pp.

JAPANESE, per, Kagaku to Kogyo, No 7, 1958,
pp 39-43.

US JPRS L-506-N

FR - Japan
Sci - Physics, semiconductors
Jan 59

80,599

Motion of Water in a Hydraulic Cyclone, by
H. Ohashi, S. Masda, 16 pp.

Kagaku Kogaku
JAPANESE, per, Chemical Engineering, Vol XXII,
1958, pp 200-207.

AEC ~~4443~~ 3343

Sci - Engr

Oct 58

74,604

Solubility of Chlorine Gas in Concentrated Sodium &
Chloride Solutions, by Horiyuki Yokota, 12 pp.

JAPANESE, per, Kagaku Kagaku, Vol XXII, 1958,
pp 476-482.

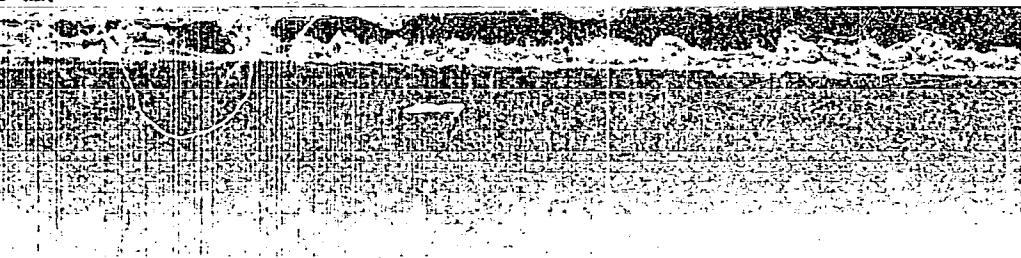
SLA 59-15614

Sci
Dec 59
Vol 2, No 5

103,782

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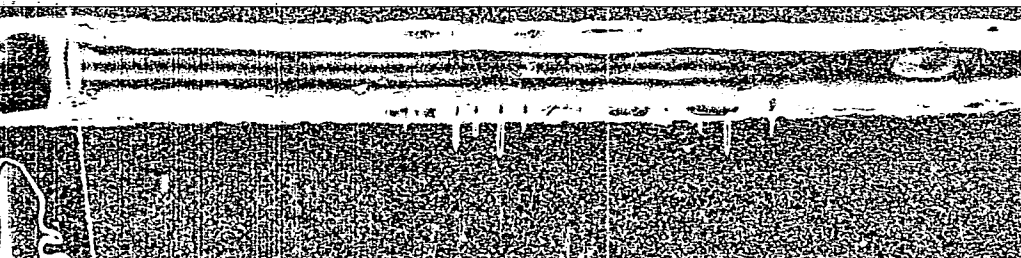


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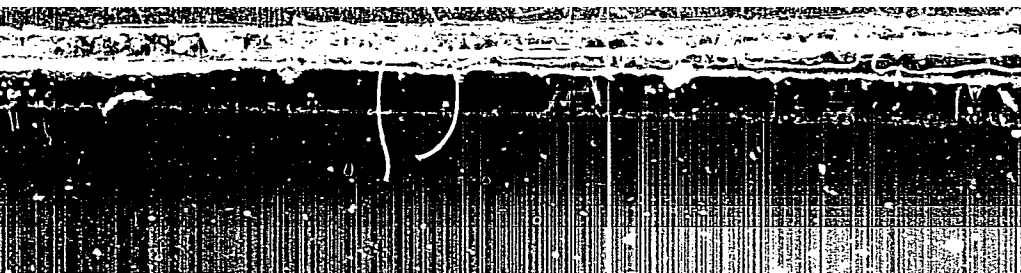


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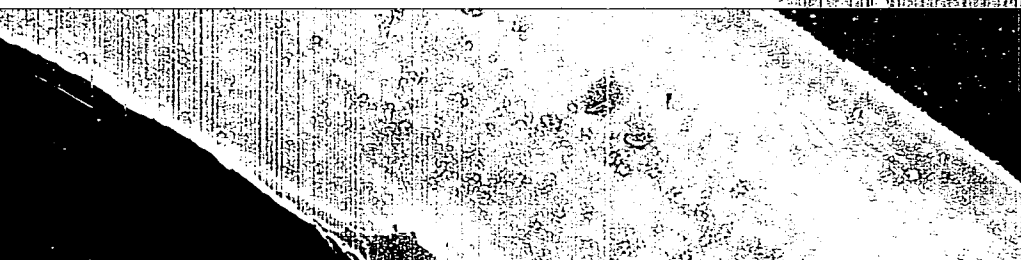


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